STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110

533-6146
February 20, 1981

Alvin E. Rickers, Director
Room 426   801-533-6121

Richard A. Dye
Atlas Minerals
Big Indian Mines
Moab, UT 84532

A 1037/017
A 1037/023

RE: Dunn & Calliham Containment Ponds

Dear Mr. Dye:

The plans and information regarding the Atlas Minerals Dunn and
Calliham uranium mine wastewater treatment ponds northeast of
Monticello have been reviewed. The January 20, 1981 engineering
reports and plans DN-7-127d, CA-T-109-d were reviewed. The ponds
were also inspected January 21 by Steven McNeal of this office. As
a result of our review and inspection, the plans for the Dunn and
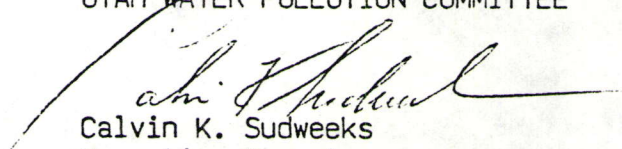Calliham total containment ponds are approved.

The Dunn mine pond is designed for the total containment of 4300
gallons/day. This 1.6 million gallon pond is clay lined and
treated with an enzyme to reduce seepage. The dike has been
compacted at a slope of approximately three horizontal to one
vertical with a crest width of sixteen feet.

The Calliham system consists of two ponds for the total containment
of 7200 gallons/day. This 3 million gallon system has an enzyme
treated clay and dike construction similar to the Dunn pond.

Before the water in either system approaches the level of the
overflow pipe additional treatment must be provided. A yearly
report of the total water stored, maximum water level and reserve
pond capacity shall be submitted to this bureau.

Sincerely,

UTAH WATER POLLUTION COMMITTEE

Calvin K. Sudweeks
Exeuctive Secretary

SRM:laf

cc: Oil, Gas & Mining
     Southeast 208
     Southeastern District Heath Department
     Fred Nelson - Assistant Attorney General